(13)

BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work: *Improvements to Road, Drain & Foot path Near Shyamarao Vital Co. Op. Bank (10th Main & Cross roads from Hesaragatta Main road) Bhuvaneshwari Nagara in Bagalagunte Ward No 14*

Estimate Cost :- 15.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :- Improvements to Road, Drain & Foot path Near Shyamarao Vital Co. Op. Bank (10th Main & Cross roads from Hesaragatta Main road) Bhuvaneshwari Nagara in Bagalagunte Ward No 14

Sl. No	Description of Item	Unit	Est. Cost Rs. No	L	B	D	15.00 Qty	Lakhs Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.152/I.19.2 PW, P & IWTD -SR 2013-14)	Cum							
	Desilting of Drains								
			1	70.00	0.70	0.60	29.40		
			1	70.00	0.45	0.50	15.75		
			1	38.00	0.50	0.60	11.40		
	Desilting of Drains		2	56.00	0.45	0.50	25.20		
			2	54.00	0.45	0.50	24.30		
	Basic Rate	84.00					**106.05**	90.72	**9621.00**
	Add Area Weightage 8%	6.72							
	Total	**90.72**							
2	Removing B.S.Slab of drain and stacking etc., complete Page No. 28/ Item No. 5.32/ PWD SR 2013-14	**Sqm**							
	Cross								
			2	54.00	0.90		97.20		
			2	56.00	0.90		100.80		
			1	78.00	0.90		70.20		
			1	30.00	0.90		27.00		
		Consider 60% Qty					**295.20**		
	Basic Rate	46.40					**177.12**	50.11	**8876.00**
	Add Area Weightage 8%	3.71							
	Total	**50.11**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2013-14)	Cum							
			2	54.00	0.45	0.15	7.29		

			2	56.00	0.45	0.15	7.56		
			1	78.00	0.45	0.15	5.27		
			1	30.00	0.45	0.15	2.03		
			4	54.00	0.25	0.15	8.10		
			4	56.00	0.25	0.15	8.40		
			2	78.00	0.25	0.15	5.85		
			2	30.00	0.25	0.15	2.25		
	For SSM drain		1	30.00	2.00	0.15	9.00		
							55.74	4211.38	**234742.00**
	Basic Rate	3973.00							
	Add Area Weightage 6%	238.38							
	Total	**4211.38**							
4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2013-14)	Cum							
			2	54.00	0.20	0.10	2.16		
			2	56.00	0.20	0.10	2.24		
			1	78.00	0.20	0.10	1.56		
			1	30.00	0.20	0.10	6.00		
			2	70.00	0.20	0.10	2.80		
							14.76	4690.50	**69232.00**
	Basic Rate	4425.00							
	Add Area Weightage 6%	265.50							
	Total	**4690.50**							
5	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 28/ Item No.5.33/ PWD SR 2013-14	**Sqm**							
							177.12		
	Cross						177.12	70.04	**12405.00**
	Basic Rate	64.85							
	Add Area Weightage 8%	5.19							
	Total	**70.04**							
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 28/ Item No. 5.31/ PWD SR 2013-14	**Sqm**							
	Qty Vide Iteam No 2		**295.2-177.12**				**118.08**		
	Basic Rate	318.00					118.08	343.44	**40553.00**
	Area Weightage 8%	25.44							
	Total	**343.44**							

7	KSRB 5.3-3 : Providing and constructing granite / tra basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.26/I.5.9) PW, P & IWTD - SR 2013-14)	Cum								
			2	35	0.45	1	31.5			
							31.5	4148.84	**130688.00**	
	Basic Rate	3914.00								
	Add Area Weightage 6%	234.84								
	Total	**4148.84**								
8	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27/ PWD SR 2013-14**	**Sqm**								
			2	54.00	0.20		21.60			
			2	56.00	0.20		22.40			
			1	78.00	0.20		15.60			
			1	30.00	0.20		6.00			
			2	70.00	0.20		28.00			
							93.60	924.48	**86531.00**	
	Basic Rate	856.00								
	Add Area Weightage 8%	68.48								
	Total	**924.48**								
9	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm								
			2	54.00	0.90		97.20			
			2	56.00	0.90		100.80			
			1	78.00	0.90		70.20			
			1	30.00	0.90		27.00			
			1	70.00	1.20		84.00			
	Data Rates Approved by CE DZ						**379.20**	1600.00	**606720.00**	
10	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14**	**Sqm**								
			1	215.00	5.00		1075.0			
	Basic Rate	2.40					**1075.0**	**2.59**	**2784.00**	

	Area Weightage 8%	0.19							
	Total	**2.59**							
11	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.8/ PWD SR 2013-14**	**Sqm**							
			1	215.00	5.00		1075.00		
	Basic Rate	20.10					**1075.00**	**21.71**	**23338.00**
	Area Weightage 8%	1.61							
	Total	**21.71**							
12	KSRRB M500-17: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 178/ Item No. 21.20.5/ PWD SR 2013-14**	**Cum**							
	0		1	215.00	5.00	0.025	26.88		
	Basic Rate	9069.00					**26.88**	**9794.52**	**263228.00**
	Area Weightage 8%	725.52							
	Total	**9794.52**							
13	Carriage of Mixed Materials Page No. 186 Note PWD SR 2013-14			**Qty item no.6**			**26.88**	52.11	**1400.00**
	1st to2ndKM	5.75							
	2nd-5th KM	16.50							
	5th -10th KM	26.00							
		48.25							
	Area Weightage 8%	3.86							
	Total	**52.11**							
14	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
			Qty Vide Item No. 1				**106.05**	78.24	**8297.00**
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							

	Total	78.24							
15	Miscellaneous and Unforeseen Charges etc.., complete	LS							1585.00
								Total	1500000.00
	(Rupees Fifteen Lakhs Only)								

CERTIFICATE

1) The Work spot has been inspected and the work is found to be necessary
2) The Estimate is prepared as per the PW,P & IWTD - SR - 2013-14
3) The Provision made in estimate are adequante and essential
4) This area comes under B.B.M.P Limits.

Assistant Engineer
Ward No.14

Asst.Executive Engineer
T.Dasarahalli Sub-Division
B.B.M.P. Bangalore.

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S

ನಂ. ~~EE(DH)AS~~ 263/13-14 ದಿನಾಂಕ : 30/10/13
ರೂ. 15.00 Lakhs (Rupees Fifteen Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No. 255
SL No. 263
ಮುಖ್ಯ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/217/13-4 ದಿನಾಂಕ : 30-10-13
ರೂ. 15-00 Lakhs
Fifteen Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
~~AS~~ P.No. 42
~~T.S.No~~ :217
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
30/10

Name of work: Improvements to road Drains & Footpaths near Shamarao Uttal Co-op Bank (Cost and Lens) Bhuvaneshwari Nagara in Bagalagunte ward no-14. (7)

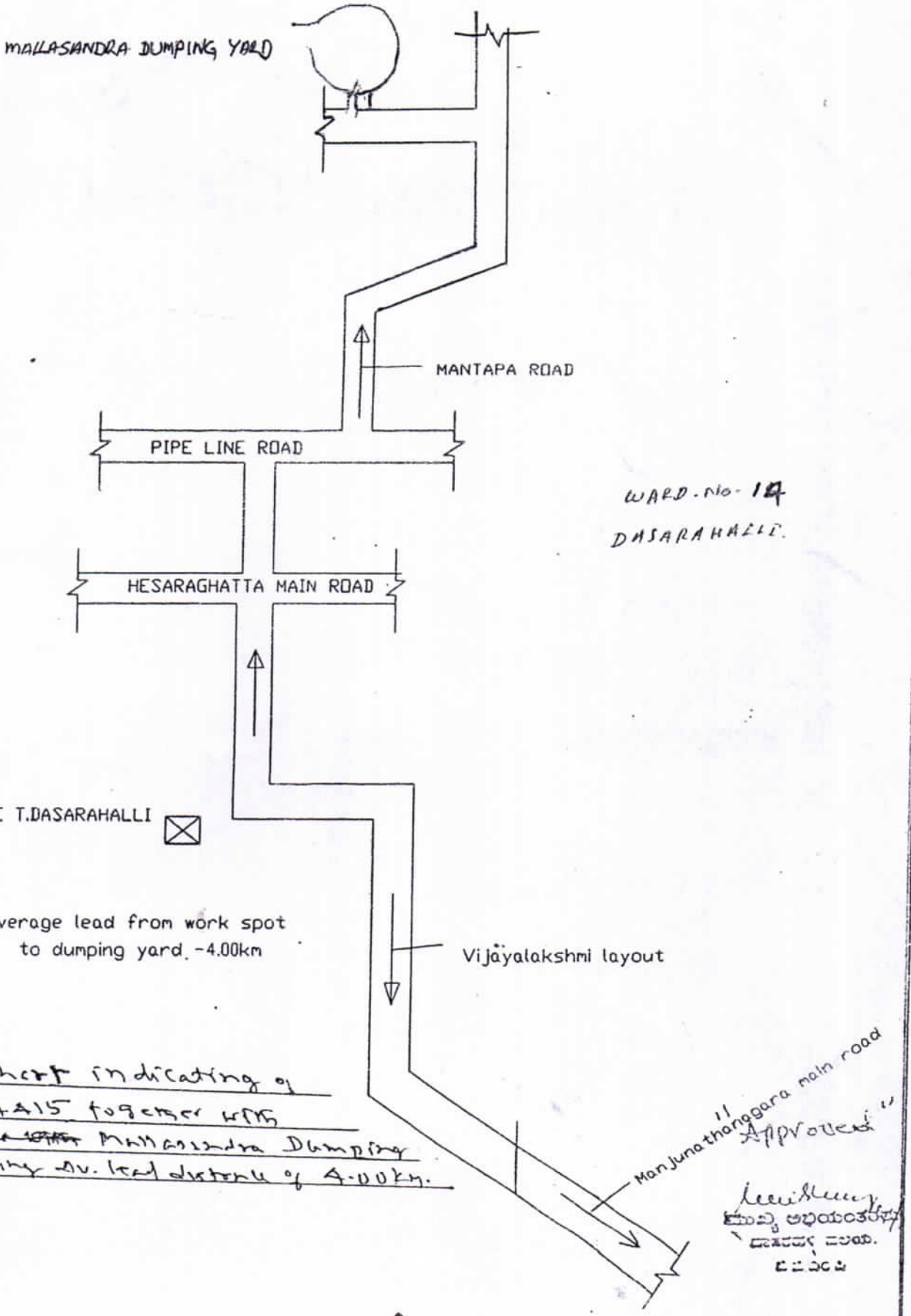
W-14

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಸಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073

Name of Work:- Improvement to Road Drain at Post pole near Shyamala Vihar Colony Bandel (Cots Cons & Engg) Bhuvaneshwari Nagar in Bagalagunte Ward No-14.

(5)

LEAD CHART FOR TRANSPORTING SILT FROM WORK SPOT TO DUMPING YARD



WARD. No- 14
DASARAHALLI.

Average lead from work spot to dumping yard. -4.00km

Lead chart indicating of W.No. 14 & 15 together with Mallasandra Dumping Site having Av. lead distance of 4.00 Km.

"Approved"

Assist. Engineer
Ward no.14 & 15.

Assist. Executive Engineer
T.Dasarahalli Sub Division
BBMP

Executive Engineer
Dasarahalli Divison-1
BBMP